DATA
INSIGHTS
LEARNING

BIG DATA FACTS

Every 2 Days we create as much information as we did from beginning to 20003

Over 90% of data created was created in the last 2 years

2015 – 1.2b smart phones (all with ability to capture data)

2020 – 50b devices connected to the Internet

Learning

DATA

INSIGHTS

INFLUENCE

CHOICE

+/- OUTCOME

✗ **Data**

✗ **Sharing**

✗ **Learning**

CAUSE

+

EFFECT

SIMPLE

EASY to BENCHMARK performance

EASY for teams, organisations, industries to profile, compare, contrast SAFETY CULTURE

EASY for individuals, understand SAFETY LEADERSHIP strengths and weaknesses.

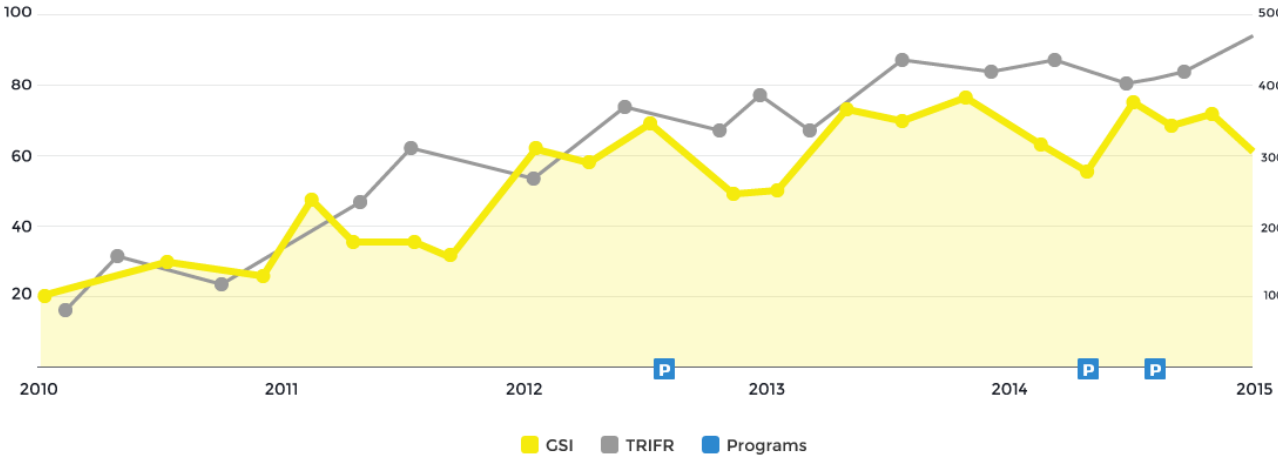**Leadership ⇨ Culture ⇨ Behaviour ⇨ Results**

Platform to analyse/share/learn, Common Data & language.

Live customised dashboard with auto generated reporting!

Cause and Effect Data with Analytics Enabled

Live customised dashboard with auto generated reporting!
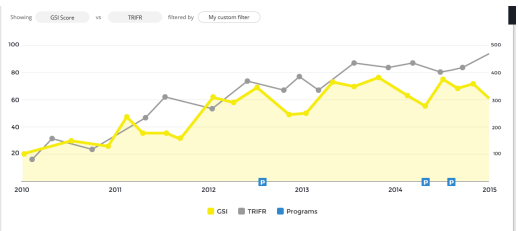
GSI Analytic

	Management Commitment	Communication	Safety as a Priority	Safety Rules and Procedures	Supportive Environment	Involvement	Personal Priorities	Personal Appreciation of Risk	Work Environment	
1	53.9	71.9	51.3	54.5	77.0	28.0	71.3	27.0	31.5	
2	24.5	28.3	67.7	8.8	56.7	58.7	43.2	15.0	13.0	
3	50.3	10.0	61.6	52.8	68.6	20.5	82.5	46.0	22.4	
4	53.9	32.8	45.5	58.5	59.5	41.3	78.7	75.1	28.0	
5	44.6	58.6		-1.1	53.2	64.6	83.2	37.0	19.5	
6	59.6	65.5			62.7	51.6		9.6	32.4	
7	60.4				67.6				67.0	
8	56.4				2.2				73.1	
Total	50.2	43.8	56.4	33.6	55.3	43.7	71.3	34.2	35.3	46.5

Legend:
- High Performance
- Sustainable
- Maturing
- Developing
- Foundational
- Volatile
- Unsustainable

Management Commitment 50.22

Hazard/Risk Management 45.69
- 1. Acts decisively when a safety concern is raised. 53.93
- 2. Acts only after an incident or accident has occurred. 24.55
- 3. Corrective action always taken when told about unsafe practices. 50.35
- 4. Acts quickly to correct safety concerns. 53.92

Safety Values 52.51
- 5. Walk past unsafe behaviours and will not stop. 44.57
- 7. Express concern and follow up action, if safety procedures not followed. 60.45

Consistent Application 58.01
- 6. Show interest in my personal safety and wellbeing. 59.64
- 8. Take safety personally and appears a personal value. 56.38

Legend:
- High Performance
- Sustainable
- Maturing
- Developing
- Foundational
- Volatile
- Unsustainable

- In 2 yrs = **23,500 Users**, 5 Countries, 11 Industry sectors

- **1,400,000** plus data points (Culture, Leadership and Performance)

- Global Community connected formally and informally.

- Common language at

  - Industry level,

  - Peer to peer and

  - Customer to Contractor.

- **'Data'** provides **'Insight'** to drive **'Action'** which can be **'Measured and Monitored'**!

INSIGHTS

- Safety **Leadership capability** and **Safety Culture** have a direct and significant impact on Output performance indicators

- Organisations who have invested & continue to invest in people capability and safety culture initiatives outperform the LTIfr benchmark by **2.5times!**

	SLI	SCI	LTIFR
Overall Aggregate	53.94	51.00	5.39
Higher Performing Member	66.68	74.97	2.06
Lower Perfoming Member	46.61	47.31	8.13

INSIGHTS – Safety Culture

- By Industry – Maturity

- By Organisation – Working/Not Working

INSIGHTS – Safety Leadership Capability
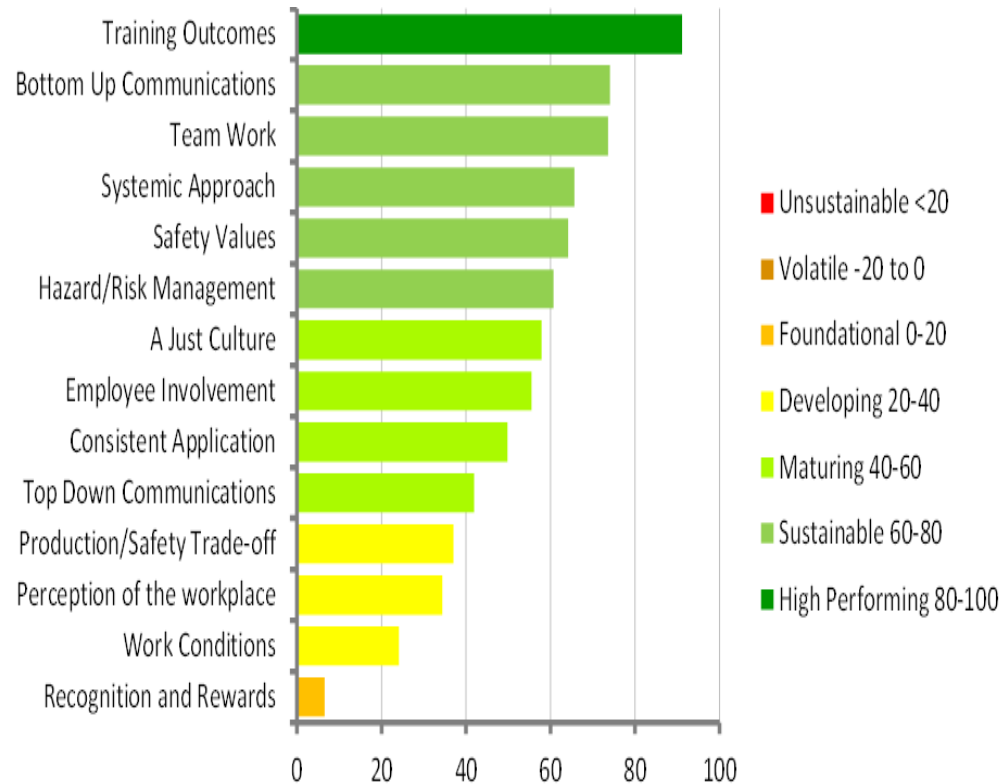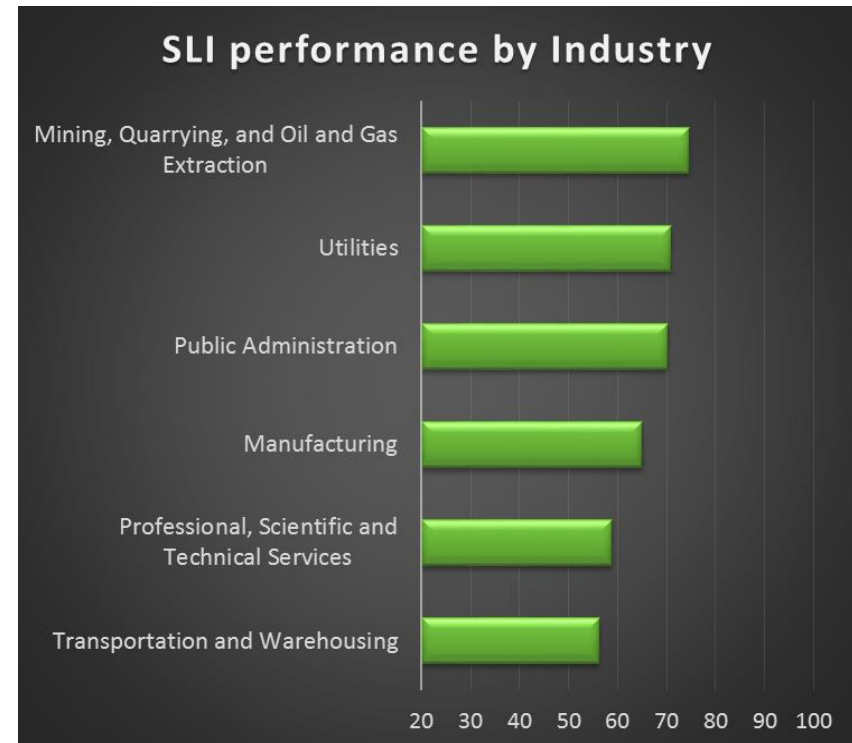
- <3% of employees surveyed in Australia in 2014 believe they have the skills and capabilities to achieve ZERO HARM! (All Industries)

- 31% population **Novice or Developing**

Pie chart legend:
- Novice
- Developing
- Capable
- Strong
- High Performance

Pie chart values: 3%, 4%, 25%, 27%, 41%
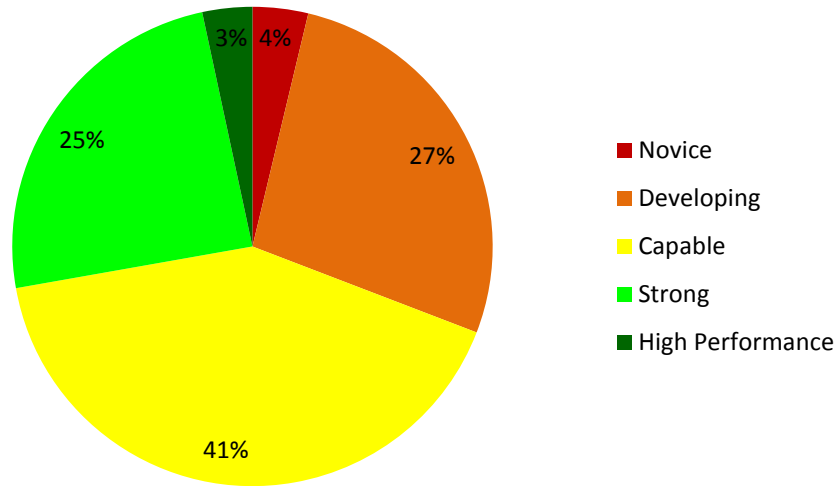
- Operators working within M**ining, Oil and Gas** have the highest confidence and safety leadership capability level
- Avg 73 from possible 100.

SLI performance by Industry

- Mining, Quarrying, and Oil and Gas Extraction
- Utilities
- Public Administration
- Manufacturing
- Professional, Scientific and Technical Services
- Transportation and Warehousing

Axis: 20 30 40 50 60 70 80 90 100

- High management turnover
- Recent significant organisational change
- Significant / ongoing budget cuts
- Reward systems dominated by (short-term) production-budget targets
- Level of risk oversight not at the highest level in the organisation
- Record of previous warnings not being heeded
- Previously agreed safety performance strategies not or only partially implemented
- Recent incidents not reported and/or relevant learning shared
- Audits/inspections infrequently conducted and/or subsequent recommendations not implemented

INSIGHTS - Demographic

- Women take less risks than men – Less inconsistency about Safety/Production tradeoff.

- Highest risk employees - 3 - 7yrs employment

- 80% - surveyed clear on Health and Safety responsibilities

- 72% - Risk of Injury at work!

- 60% - Take calculated risks!

- Biggest risk takers are males who live and work in regional or rural areas.

APPLICATION……..LEARNING?

Leadership ⇨ Culture ⇨ Behaviour ⇨ Results

- **Engaging the organisation PROACTIVELY**
  - **12% – 54% Improvement in Output PERFORMANCE METRICS over 2yrs**
    - LTI/MTI/TRI reduction
    - Improved reporting
    - Increase in close out of Actions
    - Reduced cost

Global Safety Index is a member based organisation **(GLOBAL COMMUNITY)**
- Formal & Informal **networks sharing**
  - Incident & Historic data +
  - Capability, Competency and Culture data
  - Improvement strategies and
  - Best Practice initiatives

- Executing **data driven strategies!** (Effective deployment of resources)
- Measurement & monitoring of **'ACT' control**
- **Contractors and Companies** using Safety Culture Index as a Pre/During/Post evaluation performance metric.

members from many industries

Questions

www.globalsafetyindex.com